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May 21, 2004 From: Lucius L. Lockwood Direct Telephone: 602 262-5355 Direct Facsimile: 602 734-3899 To: Commissioner Firm: Patent and Trademark Office Firm Telephone: 800.786.9199 Facsimile No.: (703) 872-9248 9306 Total pages including this page: 2 Comments: Document(s) Being Transmitted:

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	Application Number	on of information unless it displays a valid OMB control number.
TRANSMITTAL	Filing Date	July 9, 2001
FORM	First Named Inventor	Gurtel S. Sandhu
(to be used for all correspondence after initial filing)	Art Unit	2813
<u></u>	Examiner Name	Schillinger, Laura
Total Number of Pages in This Submission 14	Attorney Docket Number	M122-1780
E	NCLOSURES (Check all that	apply)
Fee Transmittal Form	Drawing(s)	After Allowance communication
Fee Attached	ר	to Technology Center (TC) Appeal Communication to Board
	Licensing-related Papers Petition	of Appeals and Interferences Appeal Communication to TC
Amendment/Reply	Petition to Convert to a	(Appeal Notice, Brief, Reply Brief)
After Final	Provisional Application Power of Attorney, Revocation	Proprietary Information
Affidavits/declaration(s)	Change of Correspondence Addre	
Extension of Time Request	Terminal Disclaimer	Identify below):
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under 37 CFR 1.52 or 1.53 Tr	ansmittal Form	, return receipt postdard,
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Firm Jennifer J. Taylor, Ph.D., Reg. 1		T, OR AGENT
or Individual name	an and the receipt of bodies in the	· · · · · · · · · · · · · · · · · · ·
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Date May 21, 2004		
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sufficient postage as first class mail in an envelope the date shown below.	<u>acsimile</u> transmitted to the USPTO or d addressed to: Commissioner for Pater	eposited with the United States Postal Service with nts, P.O. Box 1450, Alexandria, VA 22313-1450 on
Typed or printed name Jaime M. White		
Signature Jame W	yohite	Date May 21, 2004
This collection of information is required by 37 CFR 1.5. TI process) an application. Confidentiality is governed by 35 gathering, preparing, and submitting the completed application.		as benefit by the public which is to file (and by the USPTO to n is estimated to 2 hours to complete, including ending upon the individual case. Any company on the

process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Appl. No. 09/902,277

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No.	00/002 277
t mig Date	luly 0, 2004
Inventor	Gurtai S. Sandhu at al
Assignee	Micros Toobseless Inc.
Group Art Unit	
Examiner	Cabillings 1 and 14
Attornev's Docket No	Schillinger, Laura M
Examiner Attorney's Docket No. Title: Method of Forming a Thin Film Transistor	VIIZZ-1/80
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REQUEST FOR ENTRY OF PREVIOUSLY SUBMITTED INFORMATION CENTRAL FAX CENTER DISCLOSURE STATEMENTS

MAY 2 1 2004

To:

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Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

From:

Jennifer J. Taylor, Ph.D. (Tel. 509-624-4276; Fax 509-838-3424)

Wells St. John P.S.

601 W. First Avenue, Suite 1300 Spokane, WA 99201-3828

Applicant requests entry of the two enclosed information disclosure statements (IDS) into the application at this time. Each enclosed IDS was originally submitted by the applicant prior to the mailing date of the Notice of Allowance. Upon applicant's request for an initialed copy of each IDS from the examiner, it was indicated that an electronic copy has not been entered into the application file at the USPTO for either IDS.

Each enclosed IDS is accompanied by documents evidencing the original filing of the IDS. The earlier filed IDS was submitted on July 9, 2001 as evidenced by the corresponding application transmittal form, ex post declaration of express mailing and express mailing label. Receipt of the IDS is acknowledged by the PTO as evidenced by the enclosed corresponding return postcard receipt dated July 9, 2001.

Appl. No. 09/902,277

Th later IDS was filed August 8, 2001 as evidenced by the corresponding transmittal form and certificate of mailing. A copy of the corresponding return postcard receipt is also enclosed evidencing acknowledgement of receipt of the second IDS by the PTO.

Applicant requests that each enclosed IDS be entered at this time and requests to be provided with an initialed copy of each form 1449.

Respectfully submitted,

Return Receipt

Applicant:

The stamp of the U.S. Patent and Trademark Office acknowledges receipt of the application ja903 U.S. "Methods of Forming a Thin Film Transistor" 09/902277

MI22-1780 Micron Technology, Inc.

Titled: Return Postcard Receipt. A \$710 check.

for letters patent of the following:

PTO Utility Application Transmittal Form (PTO/S8/05)

Fee Transmittal Form (PTO/SB/17)

Copy of Priority Application: 24 pages of Specification. Claims and Abstract plus title page, 4 pages of drawings (Figs. 1-8) and Preliminary Amendment.

7/5/01

Inventors Declaration (copy from parent application).

Gurtej S. Sandhu et al.

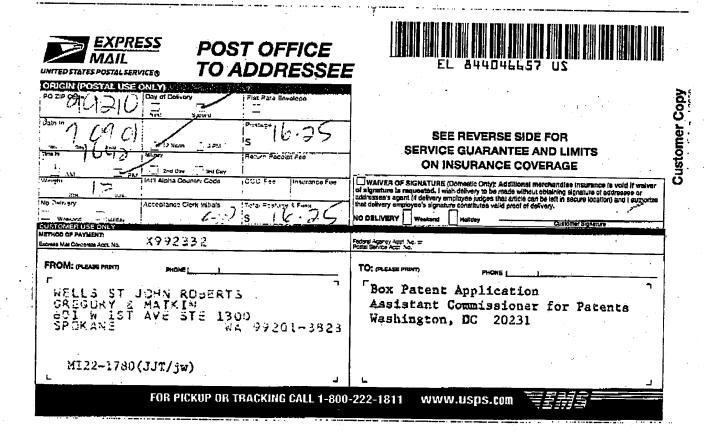
4 sheets of formal drawings (Figs. 1-8).

8. Information Disclosure Statement including PTO-1449.

Associate Power of Attorney.

10. Preliminary Amendment.

EL844046657US



Please type a plus sign (+) inside this box	PTO/SB/05 (11-00 Approved for use through 10/31/2002, OMB 0851-003 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCI
Under the Paperwork Reduction Act of 1995, no persons are required to resp	cond to a collection of information unless it displays a valid OMB control number
UTILITY DATENT APPLICATION	Attorney Docket No. MI22-1780
PATENT APPLICATION	First Inventor Gurtej S. Sandhu
TRANSMITTAL	Title Methods Of Forming A Thin Film Transistor
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No. EL 844046657 US
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application
Fee Transmittal Form (e.g., PTO/SB/17)	7. CD-ROM or CD-R in duplicate, large table or
Applicant claims small entity status.	Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission
See 37 GFR 1.27.	(if <u>applicable, all necessary)</u>
3. A (preferred arrangement set forth below) - Descriptive title of the invention	a. Computer Readable Form (CRF)
Cross Reference to Related Applications	b. Specification Sequence Listing on:
- Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table,	i. CD-ROM or CD-R (2 copies); or
or a computer program listing appendix - Background of the Invention	if paper c Statements venifying identity of above copies
Brief Summary of the Invention Brief Description of the Drawings (if filed)	ACCOMPANYING APPLICATION PARTS
- Detailed Description	Assignment Papers (cover sheet & document(s))
- Claim(s) - Abstract of the Disclosure	37 CFR 3.73(b) Statement (37) Power of
4. X Drawing(s) (35 U.S.C. 113) Total Sheets 4	10. (when there is an assignee) Attomey 11. English Translation Document (if applicable)
5. Oath or Declaration [Total Pages 3]	12 X Information Disclosure Copies of IDS
B. Newly executed (original or copy)	13. X Preliminary Amendment
b. X Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
DELETION OF INVENTOR(S)	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR	16. Request and Certification under 35 U.S.C. 122
1.63(d)(2) and 1.33(b).	(b)(2)(B)(i) Applicant must attach form PTO/SR/95
6. Application Data Sheet. See 37 CFR 1.76	or its equivalent. Check 17. X Other \$7.10. Check
18. If a CONTINUING APPLICATION, check appropriate box, and supp	ly the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76: Continuation X Divisional Continuation in-oan (CP)	of prior application No.: 09 / 837,645
Prior application information: Examiner Schillinger, L.	Group Art Unit: 2813
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the Box 5b, is considered a part of the disclosure of the accompanying continu	p prior application, from which an oath or declaration is supplied under
The incorporation can only be relied upon when a portion has been inacver	tently omitted from the submitted application parts.
19. CORRESPONDE	
Customer Number or Bar Code Label	Of Correspondence address below
Name	<u> </u>
Address	
City	State Zip Code
Country Tele	phone Fax
Name (Print/Type) Jennifer J. Tavlor, Ph.D.	Registration No. (Attorney/Agent) P-48,711
Signature Wenniker J. Tacklor	Date July 9, 2001

Burden Hour Statement: This form is estimated to take 0/2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

inventor:

Gurtej S. Sandhu et al.

Title: Methods of Forming A Thin Film Transistor

Assignee: Micron Technology, Inc.

INFORMATION DISCLOSURE STATEMENT

PURSUANT TO 37 C.F.R. §§ 1.56, 1.97 AND 1.98

In compliance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, your attention is directed to the United States patents and other references listed on the attached Form PTO-1449. No admission is made regarding whether all the submitted references are prior art.

The listed references were cited by, or submitted to, the Office in the parent, co-pending application of the above-identified application. The aboveidentified application is a divisional application of co-pending application Serial No. 09/837,645, filed April 17, 2001. Such prior disclosure is sufficient for the above-identified application as far as copies of the references are concerned. 37 C.F.R. § 1.98(d) and MPEP § 609(2).

Citation of these references is respectfully requested.

Respectfully submitted,

/Reg. No. P-48.711

WELLS, ST. JOHN, ROBERTS, GREGORY & MATKIN P.S.

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Sheet 1 of 2

Form PTO-1	149		U.S PAT	DEPARTMENT OF COMMERCE ENT AND TRADEMARK OFFICE	ATTY, DOCKET N	О.	PE 09	RIORITY SERL	AL NO.
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, -				U.S. PATENT DOCUMENTS			1 -0		-
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	AA	5,320,975	6/1994	Cederbaum et al.		4\$7	44		
	AB	\$.33 4 .861	8/1994	Pflester et al.		2\$7	67		
	۸C	5.375.170	12/1994	Pfæster et al.	Ç.	257	69		,
	AD	5.411.909	5/1995	Manning et al.	•	437	\$2		
	AE :	5,418,393	5,1995	Hayden		257	347		
	AF	4.9-45,065	7/31/90	Gregory, et al.		437	4		
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	AK	5.565.611	9/97	Sandhu et al.		438	162		
				FÓREIGN PATENT DOCUMENTS					
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	AL	281054A1	7/90	Germany - Meade, et al.		•		Yes	No
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		ОТ	HER PRIOR A	ART (including Author, Title, Date, Pe	rtioent Pages, Etc.)				¥* :
	AR	Pollack, G.P. er al., 1666, 1984 pp. 408	*Hydrogen Pas 410	ssivation of Polysilicon MOSFET's Pro-	m A Plasma Nicride Sc	ource".	. •		
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	AS	Karrins, T.L., "Hydro pp. 159-161	genation of Tr	ansistors Fabricated in Polycrystolline-S	lilicon Films". IEEE. I	980.			
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	AT	Seager, C.H. et al., "Studies of the hydrogen passivation of silicon grain boundaries", J.Appl. Phys. 52, February 1981, pp. 1030-1055							
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EXAMINER			,	DATE CONSIDERED					
*EXAMINER: Include copy of	Initial if t	reference considered, whether of with next communication to u	r not election i	is in conformance with MPEP 609; Dr	ow line through citatio	n if not in	conformance	and not consid	lered.

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	AA	5,605,848	2/97	Ngeogram					·
	AB	5,364,203	11/94	Lur et al.					
	AC	5,830,\$02	11/98	Tseng et al.		438	592		<u> </u>
	AD	5,372,860	12/94	Fetuncr et al.	· · · · · · · · · · · · · · · · · · ·	427	578		
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	AR	Kitajima, H. et al.	Leakage Curre	rat Reduction in Sub-Micron Channel I and Macerials, Yokohama, 1991, pp.	Poly.Si TFTs' Parend	ed Abstract	• 1991 Inte	mational	<u> </u>
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MI22-1780

Micron Technology, Inc.

The stamp of the U.S. Patent and Trademark Office acknowledges receipt of the following papers relating to the Patent application of Gurtej S. Sandhu et al., Serial No. 09/902,277, filed July 9, 2001, entitled "Methods Of Forming A Thin Film Transistor".

- PTO Return Postcard Receipt Transmittal Form (PTO/SB/21)
- Supplemental Information Disclosure Statement w/Form copies of cited references

Patent and **natement Office: U.S. DEPARTMENT OF CONSTRUCT OF CONSTRUC	Please type a pi	lus sign (+) inside this box	→ <u>+</u>	Approved for	PTO/SB/21 (6-98) use through 09/30/2000. OMB 0651-0031			
TRANSMITTAL Filing Date First Named Inventor Gurtej S. Sandhu Grup At Unit Examiner Name Unknown Attorney Docket Number Atterney Docket Number Fee Transmittal Form Fee Attached Drawing(s) After Final Affictavits/dacdaration(s) After Final Affictavits/dacdaration(s) Extension of Time Request Afficial Disclaimer Express Abandonment Request Total Supplemental Information Disclosure Statement Contriber Opening Geregory & Matkin P.S. Signature Filing Date First Named Inventor Gurtej S. Sandhu Grup (Supplemental) Attorney Docket Number MI22-1780 Extension of Time Request Appeal Communication to Board of Appeal Communication to Group Proprietary Information Proprietary Information Proprietary Information Proprietary Information Change of Correspondence Additional Enclosure(s) (please Identity below): Return Postcard Receipt Form 1449 and copies of cited refs. Signature Filing Date First Named Inventor Gurtej S. Sandhu Gurtej S. Sandhu Gurtej S. Sandhu Gurtej S. Sandhu Examiner Name Unknown Attorney Docket Number MI22-1780 Examiner Name Unknown Appeal Communication to Group Appeal Communication Individual Appeal Communication Total Appeal Communication Total Appeal Communication Appeal Communication Total Appeal Communication Total Appeal Communication Total Appeal Communication Total Appeal Communication Appeal Communication Total Appeal Communication Total Appeal Communication Total Appeal Comm	Underth valid ON	e Paperwork Reduction A MB_control_number.	ct of 1995, no perso	ens are required to respond to a	nice: U.S. DEPARTMENT OF COMMERCE collection of information unless it displays a			
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Extension of Time Request Extension of Time Request Express Abandonment Request Express Abandonment Request Terminal Disclaimer Supplemental Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts Under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Or Individual name Gregory & Matkin P.S. Signature Certified Copy & Matkin P.S. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Or Individual name Gregory & Matkin P.S. Signature Certificate Of Malling I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: \$7.8.01 Typed or printed name Jaime M. White Signature Date Prover of Attorney, Revocation Change of Additional Enclosure(s) (please identify below): Additional Enclosure(s) (please identify below): Return Postcard Receipt Form 1449 and copies of cited refs. Return Postcard Receipt Form 1449 and copies of cited refs. No Fee Required Form 1449 and copies of cited refs. Return Postcard Receipt Form 1449 and copies of cited refs. Return Postcard Receipt Form 1449 and copies of cited refs. Return Postcard Receipt Form 1449 and copies of cited refs. Return Postcard Receipt Form 1449 and copies of cited refs. Return Postcard Receipt Form 1449 and copies of cited refs. Return Postcard Receipt Form 1449 and copies of cited refs. Return Postcard Receipt Form 1449 and copies of cited refs. Return Postcard Receipt Form 1449 and copies of cited refs. Return Postcard Receipt Form 1449 and copies of cited refs. Return Postcard Receipt Form 1449 and copies of cited refs. Return Postcard Receipt Form 1449 and copies of cited refs.	Affi	er Final	Petition and Acc	Routing Slip (PTO/SB/69) ompanying Petition	Proprietary Information			
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Supplemental information Disclosure Statement Cartified Copy of Priority Document(s) Response to Missing Parls Incomplete Application Response to Missing Parls under 37 GFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm or Individual name Gregory & Matkin P.S. Signature CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: \$7.8.01 Typed or printed name Jaime M. White Signature Cartificate Request for Refund Reputation Response to Missing Response to Missin	Express A	bandonment Request	Terminal	Disclaimer				
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Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm or Jennifer J. Taylor, Ph.D.; Wells, St. John, Roberts, Individual name Gregory & Matkin P.S. Signature Date CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: Y 8 - 01 Typed or printed name Jaime M. White Signature Date Signature Date Response to Missing Parts/ Incomplete Application SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm or J. Signature CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: Y 8 - 01								
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CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: \$\frac{1}{8} \cdot \frac{1}{8} \cdot	Signature	innite	7. Tauis					
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No.	09/902 277
Filing Date	July 9 2001
inventor	Gurtei S. Sandhu et al.
Assignee	Micron Technology Inc.
PRIORITY Group Art Unit	2813
Examiner	Unknown
Attorney's Docket No.	Mi22-1780
Title: Methods Of Forming A Thin Film Transistor	

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT References -- See Attached Form PTO-1449

Assistant Commissioner for Patents Washington, D.C. 20231

<u>REMARKS</u>

The Examiner's attention is directed to the references which are listed on the attached Form PTO-1449 and copies of which are attached. No admission is made regarding whether all the submitted references are prior art.

Citation of these patents is respectfully requested.

This Information Disclosure Statement is being filed within three months of the filing date of the application or before the mailing of a first Office Action, whichever occurs last. Therefore, no fee is believed to be required. However, in the event that a fee is required for filing this information disclosure statement, please charge the fee specified under 37

C.F.R. §1.17(p) to Deposit Account No. 23-0925. Please credit Deposit Account No. 23-0925 with any overpayment of the above fee.

Respectfully submitted,

Date: August 8, 2001

By: Junifer J. Taylor, Ph.D.
Reg. No. /P-48,71/1
WELLS, ST. JOHN, ROBERTS,
GREGORY & MATKIN P.S.
601 W. First Avenue, Suite 1300
Spokane, WA 99201-3828
(509) 624-4276

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					FILING DATE July 9, 2001			PRIOE 2815	RITY GRO)L'P
				U.S. PATENT DOCUMENTS						
Examiner Initial		Document Number	Date	Name		Class	Subc	'iass	Filing Date If Appropriate	
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	АВ	6,001,675	12/14/99	Sandhu et al.		138	151			
	AC	6.077,732	6/20.00	Sandho et al.		438	153			
	AD	6,238,957	5/29:01	Sandho et al.		438	L51			
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